WASTE MANAGEMENT
SURFACE EMISSION MONITORING
CALIBRATION AND PERTINENT DATA

Date: 8/29/2014 Site Name: Cottonwood Hills

WEATHER OBSERVATIONS

Wind Speed: 4 MPH Wind Direction: N Barometric Pressure: 29.5

Air Temperature: 98 deg F General Weather Conditions: Clear

CALIBRATION INFORMATION

Pre-monitoring Calibration Precision Check

Procedure: Calibrate the instrument. Make a total of three measurements by alternating zero air and the calibration gas. Record the readings and calculate the average algebraic difference between the instrument reading and the calibration gas as a percentage. The calibration precision must be less than or equal to 10% of the calibration gas value.

Instrument ID: 30987664 Cal Gas Concentration: 500 ppm

Trial	Zero Air Reading	Cal Gas Reading	(Cal Gas Conc. - Cal Gas Reading)
1	0	488	12.00
2	0.18	490	10.00
3	0	497	3.00

Average Difference: 8.33

Calibration Precision = Average Difference/Cal Gas Conc. X 100%
1.7%

Post-monitoring Calibration Check

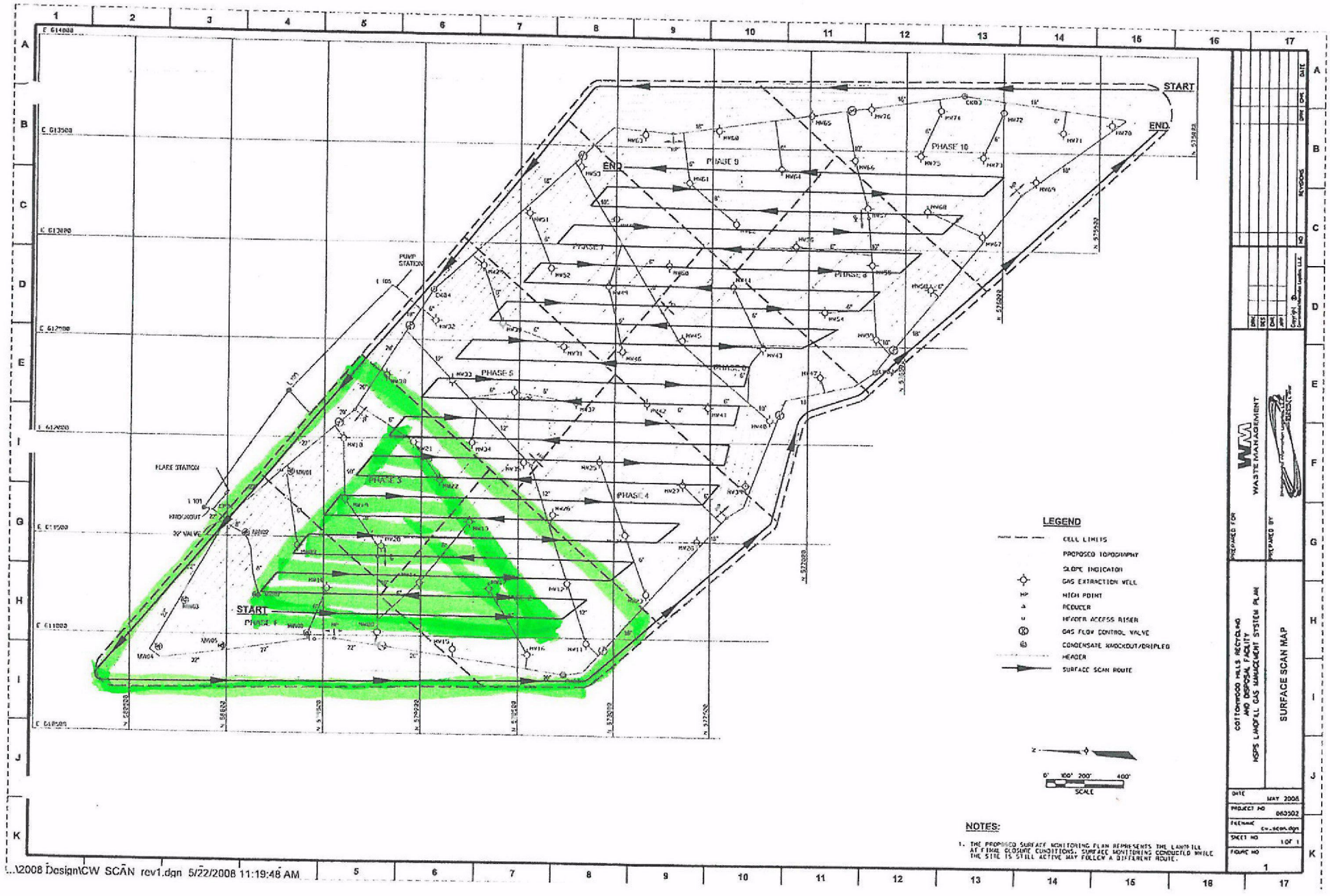
Zero Air Reading: 0.28 ppm Cal Gas Reading: 497 ppm

BACKGROUND CONCENTRATION CHECKS

Upwind Location Description: S. Access Rd. Reading: 1.47 ppm

Downwind Location Description: N. Access Rd. Reading: 3.61 ppm

NOTES:
Nothing over 170ppm Observed.


START
END
PHASE 1
PHASE 2
PHASE 3
PHASE 4
PHASE 5
PHASE 6
PHASE 7
PHASE 8
PHASE 9
PHASE 10
PUMP STATION
FLARE STATION
LEGEND
CELL LIMITS
PROPOSED TOPOGRAPHY
SLOPE INDICATION
GAS EXTRACTION WELL
HIGH POINT
REDUCER
HEADER ACCESS RISER
GAS FLOW CONTROL VALVE
CONDENSATE KNOCKOUT/DRIPLEG
HEADER
SURFACE SCAN ROUTE
0' 100' 200' 400'
SCALE
NOTES:
1. THE PROPOSED SURFACE MONITORING PLAN REPRESENTS THE LANDFILL AT FINAL CLOSURE CONDITIONS. SURFACE MONITORING CONDUCTED WHILE THE SITE IS STILL ACTIVE MAY FOLLOW A DIFFERENT ROUTE.
WASTE MANAGEMENT
COTTONWOOD HILLS RECYCLING AND DISPOSAL FACILITY
KCPS LANDFILL GAS MANAGEMENT SYSTEM PLAN
SURFACE SCAN MAP
DATE MAY 2008
PROJECT NO 060502
FILENAME cw_scan.dgn
SHEET NO 1 OF 1
FIGURE NO 1
...\2008 Design\CW SCAN rev1.dgn 5/22/2008 11:19:48 AM

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